

Tex., Cal., Dak., Mich. 8th, Ill., Ind., Ia., Kan., Neb., Tex., Wis., Wy. Ty. 9th, Ind., Kan., Mich., Neb., Tex., Wy. Ty., Mo. 10th, Ill., Mich., Wy. Ty. 15th, Dak., Ia., Minn. 16th, Wy. Ty., Mich., Utah, Nev. 17th, N. M., Mich., Neb. 18th, Neb., Col., Ia., Utah, Tex., Minn. 19th, Neb., Dak., Ia., Kan., Mo., Neb., Wis., Tex., Mich. 20th, Ark., Ill., Ind., Ia., Kan., Mich., Mo., Tex., Wis., Neb. 22d, Ala., Dak., Minn. 23d, Fla., Ga., Ill., Ia., Mo., Dak., Ala., Wis. 24th, Dak., Ill., Ia., Kan., Wis. 25th, Mich., Ill., Ind., Ia., Kan., Mich., Ohio, Tenn., Tex., Mo., Wis., Ky. 26th, N. Y., Conn., Ill., Me., Md., Mass., Miss., Mo., N. J., Ohio, Pa., Tex., Va., Ala. 27th, Fla., Ark. 28th, Kan., Mo. 29th, Ia., Kan., Neb., Dak., Wis. 30th, Neb., Col., Minn.

Auroras.—Pembina, Dak., 25th; Bangor, Me., 28th, 29th; Thatcher's Island, Mass., 22nd; Burlington, Vt., 22nd, 29th; Eastport, Me., 27th, 29th, 30th; Newbury, Vt., 21st; Gainesville, Ga., 24th; Mt. Sterling, Ill., 19th; Vevay and New Corydon, Ind., 26th; Nora Springs, Ia., 6th; Gardiner, Me., 22nd; Orono, Me., 27th; Mechanics Falls, Me., 30th; Waltham, Mass., 29th; North Lewisburg, Ohio, 23d; Woodstock, Vt., 26th; West Charlott, Vt., 23d.

Telegraphic Communication interfered with by Atmospheric Electricity.—Umatilla, Or., 21st, during a high wind instruments became intensely electrified, sparks were drawn by the finger from the circuit wires and all metal parts of the instruments, some of the joints emitted a crackling sound; 26th, during gust of wind instruments electrified. Santa Fe, N. M., 1st, 4th, very great on wires. Pembina, Dak., 18th, very strong on wires; 29th, between 8 and 10 p. m., line unmanageable; 30th, on wires.

OPTICAL PHENOMENA.

Solar Halos.—1st, Ind., Miss. 2nd, Tex. 3rd, Tex., Conn., R. I. 4th, Miss. 5th, Tex. 7th, Iowa. 8th, Ohio. 9th, Ohio. 11th, N. C., Mass. 12th, Nev. 13th, Ohio. 15th, Wis., Ohio. 16th, Ohio, Iowa. 17th, Conn, N. Y., Neb., R. I., Vt. 18th, Tex. 20th, Ind., Ohio. 23rd, Ind., N. Y., Pa., W. Va., Ohio. 24th, Iowa, Idaho, Conn. 25th, R. I. 26th, Ind., Kan., Fla. 27th, Ohio, Ky. 28th, N. J., Ohio, Pa., N. C. 29th, Tex. 30th, Conn.

Lunar Halos.—1st, Tex. 3rd, Tex. 4th, Ga., Wis., N. C. 5th, N. J., Fla., Tex. 6th, Ia., Neb., N. J., Tex., Ind. Ty., Fla., Minn., Ga., Conn., Mass. 7th, Miss., Mo., Tex., Va., Kan., Minn., Ga., S. C., Conn., Mass. 9th, Ind., N. J., Minn., Ohio, Mich., Ga., Va. 10th, N. J., Tex., Minn., Conn. 11th, Nev., Tex., Minn., Ill., W. Va., Me. 12th, Wis., Dak., Tex., Minn. 13th, Ind., Md., N. J., Tex., Minn. 14th, N. J., Tex., Ia., Ill., Mass. 15th, Dak., Tex., Wis. 16th, Ia., Tex., Mich., Ill. 17th, Nev., Tex., Ill. 19th, Tex. 20th, Ind., Tex. 23rd, Ind. 30th, Tex.

Mirage.—New Bedford, Mass, 28th to 30th; Fall River, Mass., 23d; New London, Conn., 8th, 14th, 22d, 23d, 27th, 28th; Burlington, Vt., 24th.

MISCELLANEOUS PHENOMENA.

BOTANICAL.—*Arkansas*—Helena, 3d, if town keeps healthy, cotton will come in, in a few days. *Colorado*—Summit, Rio Grande Co.: The following is a brief summary of an attempt to raise vegetables at the altitude of 11,300 feet, (latitude 37° 28' N., longitude 106° 30' W.): June 14th, radish and turnip seeds sown; 26th, maize, mexican beans, peas, potatoes, beets, kohlrabi, horse radish, parsley and spinach planted; 29th, lettuce sown; July 13th, peas up; 20th, potatoes; 25th, corn, beets and spinach; 31st, radishes ripe. August 1st, horse-radish up. Radishes grew to be roots five inches long and half an inch thick; turnips, three-quarters of an inch in diameter; Indian corn-stalks, three feet high; mexican beans, three feet high; peas, five inches high and blossomed, no fruit; potatoes, stems six inches high, tubers three-quarters of an long; beets, four inches long and one-eight of an inch thick; khol-rabi and parsley did not come up; horse radish one and one-half inches high; spinach and lettuce, three inches high. September 20th, frost killed everything in garden, except lettuce and spinach. *Connecticut*: New London, 30th, white dahlia in bloom. *Florida*: Milton, 30th, all crops harvested, except sweet potatoes. Sugar cane in market since first of the month. *Indiana*: Milford, 22d, in bloom, strawberries, blackberries, plums, lilacs, currants and dog wood. *Iowa*: Fort Madison, 20th, potatoes very poor; fruit abundant and good; corn crop very good. Guttenburg—20th, potato crop very small. *Kansas*—Independence, 30th, corn crop severely injured by drought; acreage of winter wheat sown only one third that of last year. *Louisiana*—Concordia Parish, 2nd, cotton is opening very rapidly; all hands are picking; worms have appeared in portions of the field and are eating in spots; crops of this parish far below those of last year. *Massachusetts*—Waltham, ripe, 8th, indian corn; 7th, wild grapes; fading of leaves, 4th, blackberry, 7th, wild grape, 20th, alder, 17th, hazel bush, white birch, 23rd, red maple. Watertown, 9th, grapes ripe. *Mississippi*—Newton, 5th, farmers picking cotton, as it is opening very rapidly. Durant, 4th, cotton crop very poor. Torrence, 5th, cotton opening very rapidly. Summit, 4th, all crops very good. Brookhaven, 4th, forest leaves beginning to change color; ripe, 25th, persimmons, winter grapes; hops in full bloom twenty days later than usual. *Missouri*—Lebanon, 25th, tobacco crop almost a failure, because of dry weather; harvesting corn, crop poor. Corning, 20th, the tenderest flowers are as green and blooming as in summer. Springfield, 30th, winter wheat sown; many cherry and apple trees still in full bloom; one apple tree of Red June variety has fully ripened its second crop. *New Jersey*—Vineland, 30th, foliage of cherry, maple, cottonwood and some others faded and mostly fallen. Freehold, 12th, second crop of strawberries gathered. *New Hampshire*—Auburn, 30th, apple crop good;